

On page 16, line 23, after "160", please insert -- SEQ ID NO:33--.

On page 16, line 24, after "98", please insert -- SEQ ID NO:36--.

On page 16, line 24, after "752", please insert -- SEQ ID NO:39--.

On page 17, line 8, after "Figure 11", please insert -- SEQ ID NOS:42 to 58--.

On page 17, line 10, after "Figure 12", please insert -- SEQ ID NOS:59 to 61--.

On page 17, line 12, after "Figure 13", please insert -- SEQ ID NOS:62 to 80--.

On page 17, line 14, after "Figure 14", please insert -- SEQ ID NOS:81 and 82--.

On page 17, line 16, after "Figure 15", please insert -- SEQ ID NO:83--.

On page 17, line 18, after "Figure 16", please insert -- SEQ ID NO:84--.

On page 17, line 20, after "Figure 17", please insert -- SEQ ID NOS:85 TO 103--.

On page 17, line 22, after "Figure 18", please insert -- SEQ ID NOS:104 to 120--.

On page 38, line 2, after "DIDF)", please insert -- SEQ ID NO:121--.

On page 38, line 7, after "CCTTC", please insert -- SEQ ID NO:122--.

On page 38, line 8, after "GAATT", please insert -- SEQ ID NO:123--.

Please insert the attached Sequence Listing as new pages --48-71--.

**IN THE CLAIMS:**

Please cancel Claim 40 - 48.

Please renumber the Claims pages from pages "48-53" to --72-77--.

**IN THE ABSTRACT OF THE DISCLOSURE:**

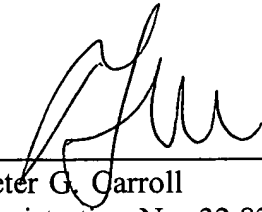
Please renumber the Abstract page from page "54" to --78--.

**R E M A R K S**

Applicants provide the following response to the Restriction Requirement mailed May 15, 2000. Claims 1-48 are at issue. The Examiner restricted the claims into three groups: Group I (Claims 1-39), Group II (Claims 40-47), Group III (Claim 48). Applicants elect Group I (Claims 1-39) without traverse.

Applicants submit this Amendment to provide as a separate part of the disclosure, a "Sequence Listing" pursuant to 37 C.F.R. §§ 1.821-1.825. As such, Applicants submit that no new matter has been introduced by these amendments. In addition, Applicants submit herewith in paper copy and on floppy disk the Sequence Listing in computer readable form.

Dated: September 13, 2000



---

Peter G. Carroll  
Registration No. 32,837

MEDLEN & CARROLL, LLP  
220 Montgomery Street, Suite 2200  
San Francisco, California 94104  
415.705.8410